

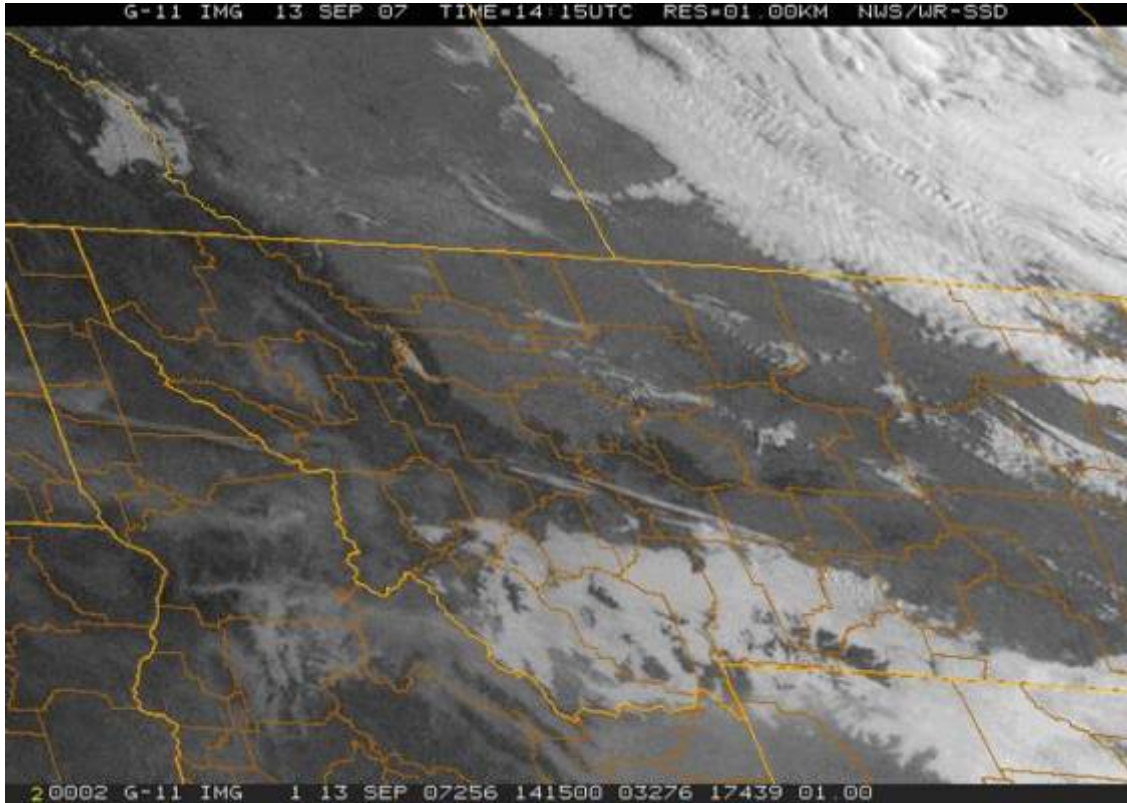
Montana DEQ Forest Fire Smoke Advisory

September 13, 2007

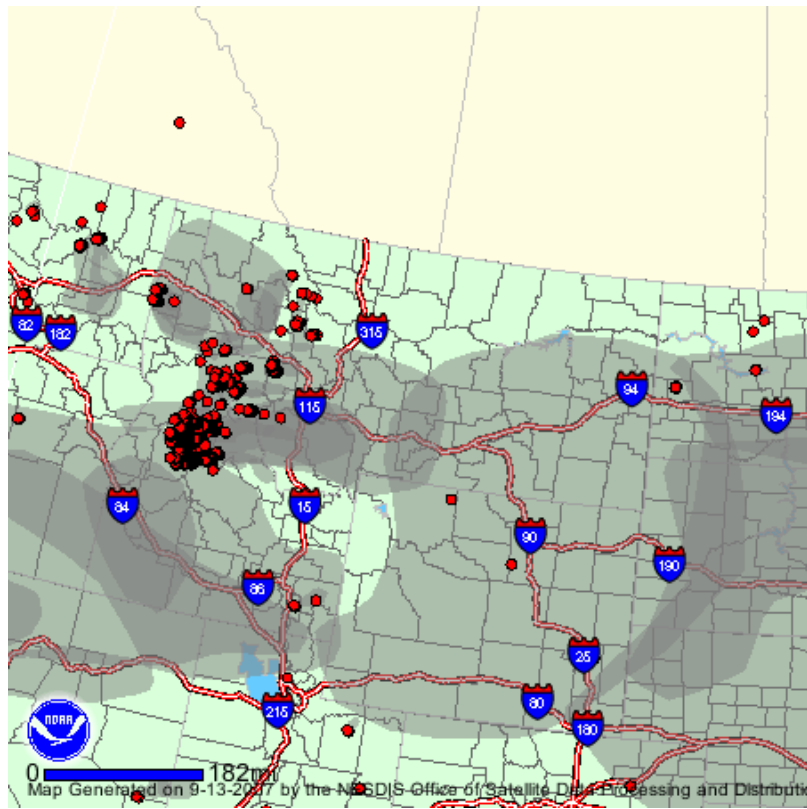
Daily Summary

Smoke continued to pour into the state from Idaho and residual smoke from local fires trapped under inversions produced very high levels of particulate in the Flathead Valley.

A morning satellite photo centered on Great Falls is below:



This morning's analysis from NOAA's satellite services division shows the active fires in Montana and the smoke plumes combining and spreading downwind (the analyzed smoke is based on yesterday's satellite coverage, the fire detects are based on last night's satellite coverage).



Red indicates hot spot detected. Grey represents smoke seen by satellite. Fire size is exaggerated for visibility at this scale.

To identify individual fires on graphic above go here:

http://activefiremaps.fs.fed.us/lq_fire2.php

Here is a MODIS satellite photo taken at 2:48pm.



Today's smoke report is below, comparing particulate levels where we have information to MDEQ's Forest Fire health advisory levels.

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DISCUSSION:

The advisories in the table below represent conditions for the 24 hour period from midnight to midnight

John Coefield
Meteorologist
Montana Department of Environmental Quality

Locations and severity of forest fire smoke reports for the date above at reporting stations.

Real time particulate information is currently available in most of the larger urban areas from several different sources including: DEQ run PM-10 BAMS and PM2.5 BAMS, CS&KT run PM-10 TEOMS, NWS ASOS visibility monitors, and USFS remote access Nephelometers and BAMS.

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HAZARDOUS	
VERY UNHEALTHY	Helena T24
UNHEALTHY	Kalispell T24 Missoula T24
UNHEALTHY FOR SENSITIVE GROUPS	Whitefish T24 Hamilton T1 Butte T24
MODERATE	

- T1(x)One-hour TEOM or BAM value (number of values)
- T8(x)Eight-hour average TEOM or BAM value(number of values)
- T2424 hour average TEOM or BAM value
- Vis(x)Visibility value(number of hours)
- Vis(am/pm)
(est)Visibility value from twice/day reporting stations
estimate